Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061319\
Data File : BG041224.D
Acq On : 13 Jun 2019 10:13
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040

**Manual Integrations APPROVED**
mohammad
6/14/2019 8:48:10 AM

Quant Time: Jun 13 10:51:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 23:08:34 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.10 | 152 | 54988 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.92 | 136 | 236294 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.74 | 164 | 162314 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.49 | 188 | 397146 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.78 | 240 | 401330 | 20.00 | ng | | 0.02 |
| 87) Perylene-d12 | 25.14 | 264 | 419603 | 20.00 | ng | | 0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 239250 | 78.46 | ng | | 0.00 |
| 7) Phenol-d6 | 7.25 | 99 | 366838 | 77.89 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.29 | 82 | 428665 | 80.54 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.23 | 330 | 195619 | 81.18 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.36 | 172 | 947934 | 84.10 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.09 | 244 | 1587575 | 83.96 | ng | | 0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.50 | 88 | 49725 | 35.934 | ng | | 98 |
| 3) Pyridine | 3.91 | 79 | 144099 | 35.193 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 82189 | 43.250 | ng | # | 78 |
| 6) Aniline | 7.43 | 93 | 244786 | 38.940 | ng | | 97 |
| 8) 2-Chlorophenol | 7.66 | 128 | 143296 | 39.416 | ng | | 95 |
| 9) Benzaldehyde | 7.24 | 77 | 116527 | 41.478 | ng | | 90 |
| 10) Phenol | 7.28 | 94 | 195717 | 38.759 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.52 | 93 | 142751 | 38.969 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.99 | 146 | 175390 | 40.393 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.14 | 146 | 179923 | 40.936 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.46 | 146 | 169224 | 39.654 | ng | | 94 |
| 15) Benzyl Alcohol | 8.35 | 79 | 169844 | 38.986 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62 | 45 | 226359 | 37.815 | ng | | 100 |
| 17) 2-Methylphenol | 8.54 | 107 | 140425 | 38.408 | ng | | 97 |
| 18) Hexachloroethane | 9.19 | 117 | 70316 | 41.509 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.91 | 70 | 138812 | 38.301 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.87 | 107 | 190922 | 37.699 | ng | | 98 |
| 22) Acetophenone | 8.94 | 105 | 264213 | 39.860 | ng | | 98 |
| 24) Nitrobenzene | 9.33 | 77 | 220344 | 40.622 | ng | | 96 |
| 25) Isophorone | 9.84 | 82 | 386560 | 38.162 | ng | | 99 |
| 26) 2-Nitrophenol | 10.04 | 139 | 95904 | 42.888 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 10.08 | 122 | 133540 | 36.159 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93 | 209046 | 38.237 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 177141 | 37.771 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.78 | 180 | 219083 | 41.064 | ng | | 97 |
| 31) Naphthalene | 10.98 | 128 | 505056 | 39.809 | ng | | 99 |
| 32) Benzoic acid | 10.25 | 122 | 90118 | 34.196 | ng | | 92 |
| 33) 4-Chloroaniline | 11.10 | 127 | 223841 | 38.026 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.24 | 225 | 172014 | 42.138 | ng | | 97 |
| 35) Caprolactam | 11.91 | 113 | 53874 | 34.786 | ng | | 89 |
| 36) 4-Chloro-3-methylphenol | 12.20 | 107 | 198115 | 36.988 | ng | | 93 |
| 37) 2-Methylnaphthalene | 12.58 | 142 | 371179 | 37.987 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.58 | 142 | 371179 | 40.312 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 277235 | 42.377 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.90 | 237 | 134097 | 42.441 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 13.17 | 196 | 177479 | 41.936 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.25 | 196 | 178573 | 40.008 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.57 | 154 | 495853 | 41.270 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.63 | 162 | 435098 | 42.183 | ng | | 99 |
| 48) 2-Nitroaniline | 13.83 | 65 | 153497 | 41.482 | ng | | 92 |
| 49) Acenaphthylene | 14.47 | 152 | 627819 | 40.442 | ng | | 99 |
| 50) Dimethylphthalate | 14.19 | 163 | 547847 | 39.873 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.33 | 165 | 121829 | 41.124 | ng | | 97 |
| 52) Acenaphthene | 14.81 | 154 | 373946 | 39.763 | ng | | 96 |
| 53) 3-Nitroaniline | 14.66 | 138 | 118960 | 40.157 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.86 | 184 | 50677 | 42.963 | ng | | 94 |
| 55) Dibenzofuran | 15.14 | 168 | 636468 | 40.221 | ng | | 99 |
| 56) 4-Nitrophenol | 14.96 | 139 | 76536 | 37.667 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 15.11 | 165 | 171515 | 40.986 | ng | # | 98 |
| 58) Fluorene | 15.79 | 166 | 495203 | 39.295 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 178219 | 40.630 | ng | | 96 |
| 60) Diethylphthalate | 15.54 | 149 | 553900 | 39.502 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.77 | 204 | 330162 | 40.307 | ng | | 97 |
| 62) 4-Nitroaniline | 15.82 | 138 | 129714 | 41.361 | ng | | 93 |
| 63) Azobenzene | 16.07 | 77 | 488539 | 38.333 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.87 | 198 | 92070 | 44.111 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 15.99 | 169 | 442126 | 39.602 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.67 | 248 | 212584 | 39.664 | ng | | 98 |
| 68) Hexachlorobenzene | 16.78 | 284 | 229099 | 40.142 | ng | | 97 |
| 69) Atrazine | 16.94 | 200 | 168686 | 39.158 | ng | | 97 |
| 70) Pentachlorophenol | 17.14 | 266 | 112033 | 38.951 | ng | | 94 |
| 71) Phenanthrene | 17.53 | 178 | 840890 | 40.649 | ng | | 98 |
| 72) Anthracene | 17.62 | 178 | 839382 | 41.141 | ng | | 99 |
| 73) Carbazole | 17.90 | 167 | 727736 | 41.570 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.43 | 149 | 892448 | 41.017 | ng | | 98 |
| 75) Fluoranthene | 19.54 | 202 | 1086852 | 42.536 | ng | | 99 |
| 77) Benzidine | 19.72 | 184 | 308789 | 32.253 | ng | | 96 |
| 78) Pyrene | 19.90 | 202 | 1077468 | 41.300 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.77 | 149 | 424206 | 41.782 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.76 | 228 | 1087969 | 40.725 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.68 | 252 | 393046 | 41.830 | ng | | 99 |
| 83) Chrysene | 21.84 | 228 | 1043343 | 40.811 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.62 | 149 | 582082 | 40.727 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.88 | 149 | 975735 | 40.992 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 29.01 | 276 | 1024355m | 32.709 | ng | | |
| 88) Benzo(b)fluoranthene | 24.07 | 252 | 1008534 | 39.627 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 24.14 | 252 | 1091884 | 43.355 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.98 | 252 | 971774 | 40.021 | ng | | 96 |
| 91) Dibenzo(a,h)anthracene | 29.07 | 278 | 838504m | 34.560 | ng | | |
| 92) Benzo(g,h,i)perylene | 30.23 | 276 | 808413m | 34.296 | ng | | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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